

ENGINEERING FIELD HANDBOOK  
CHAPTER 17 - CONSTRUCTION AND CONSTRUCTION MATERIALS

APPENDIX 1

RECOMMENDED HYDROPHILIC WATERSTOPS FOR USE IN CONCRETE  
STRUCTURES IN CONTACT WITH LIQUID MANURE OR LEACHATE

Informal testing by the Wisconsin NRCS and Wisconsin DATCP personnel has shown varying performance of hydrophilic waterstops in contact with liquid manure. Of those tested, the following waterstops performed well and are recommended for applications where they may be in contact with liquid manure:

“Hydrotite” by Greenstreak

Preformed; held in place with adhesive.

“Sikaswell” by Sika

Available in either a preformed shape “moisture-proof unipac sausage” which requires a standard sausage pac gun to apply.

“Leakmaster” by C.I. Kasei

Comes in normal size caulking tubes.

“Ultraseal” by Adeka

Preformed rectangular shape held in place with adhesive or nails.

“Swellseal” by de neef Construction Chemicals and distributed by Vinylex based in Knoxville, TN.

Preformed strip or in a moisture proof “sausage”. This product swelled 190% in liquid manure vs. 240% in water.

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